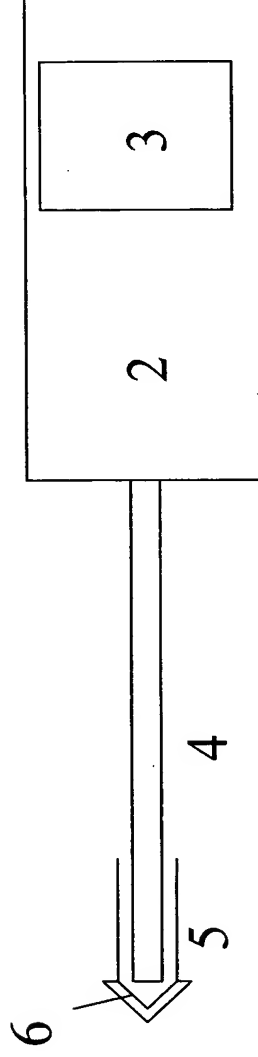


Biosensor

Figure 1



2 = optical system

3 = computer/microprocessor

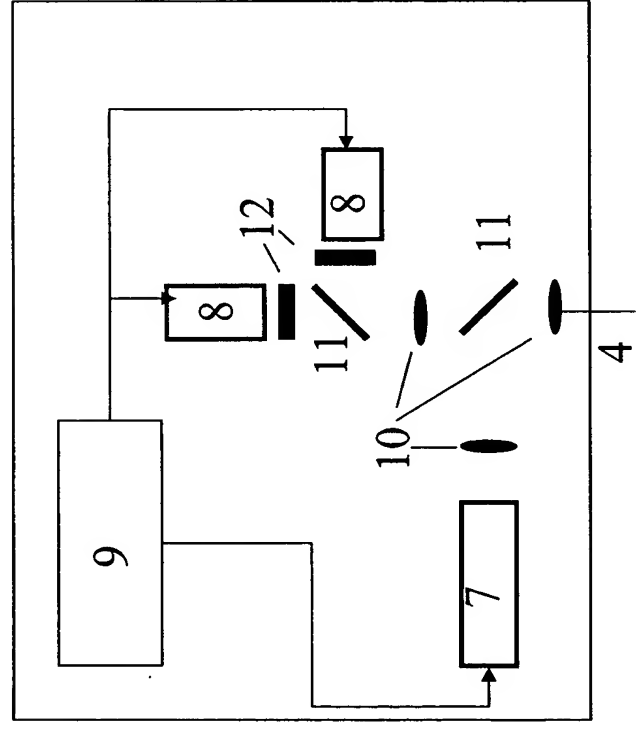
4 = optical conduit

5 = disposable tip

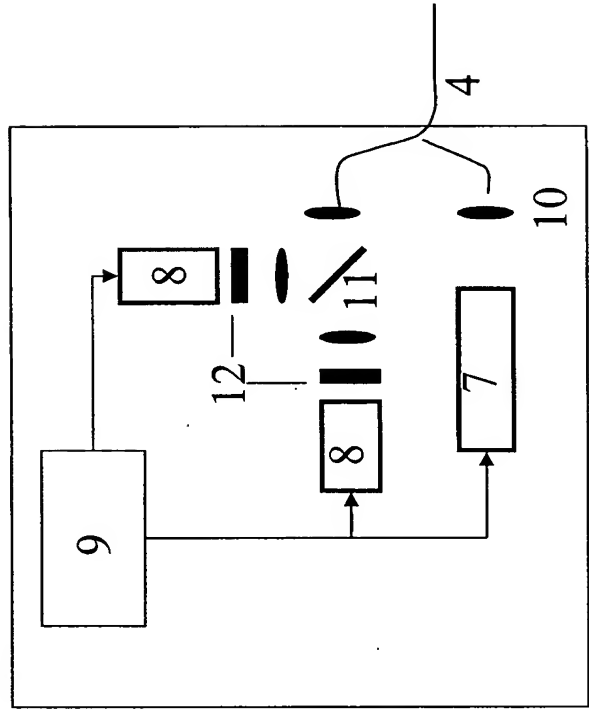
6 = sensing element

Figure 2

2A



2B



- 2 = optical system
- 4 = optical conduit
- 7 = excitation source
- 8 = detector
- 9 = power supply or battery
- 10 = focusing/collimating optics
- 11 = dichroic optics
- 12 = bandpass filters

Tip Designs

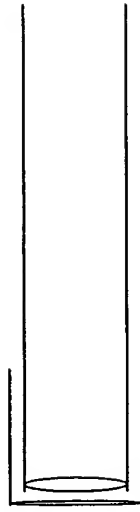
Figure 3



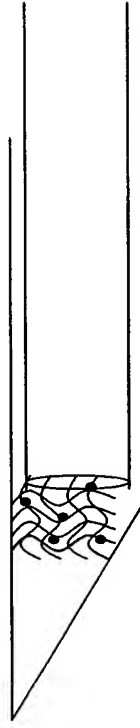
A



B



C



D

Figure 4

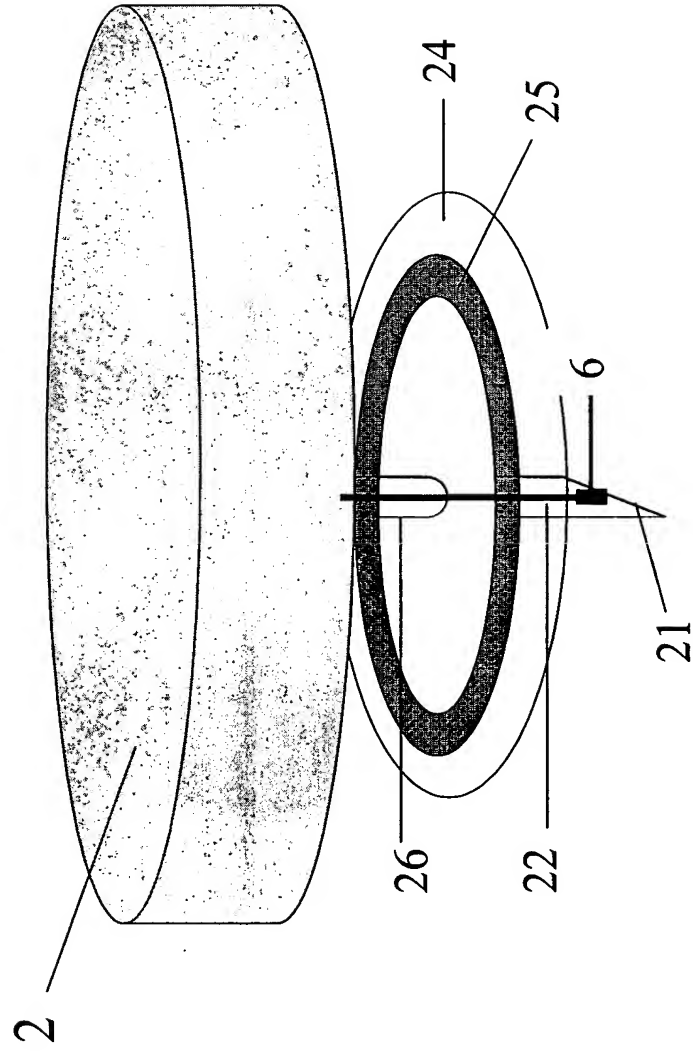


Figure 5

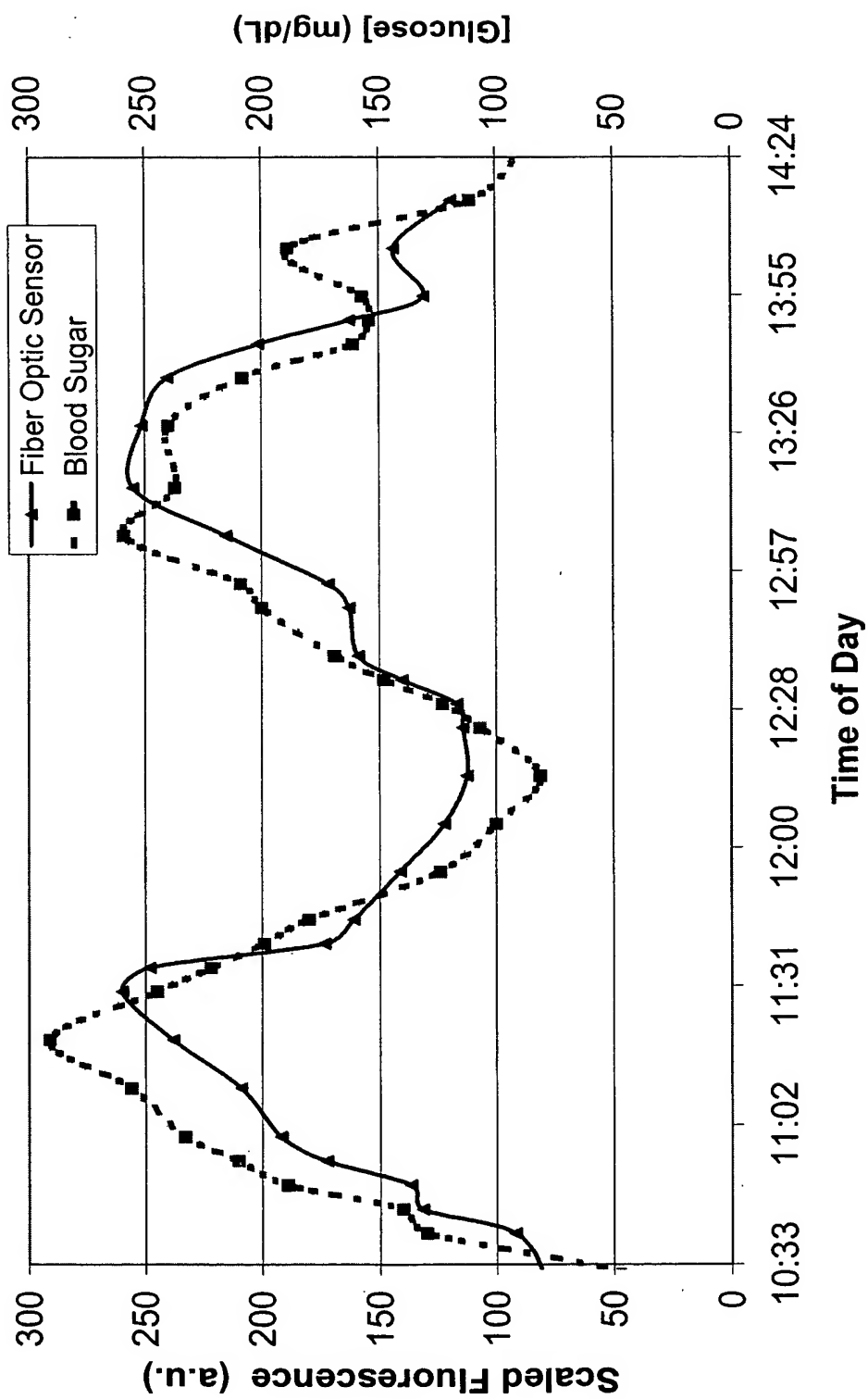


Figure 6

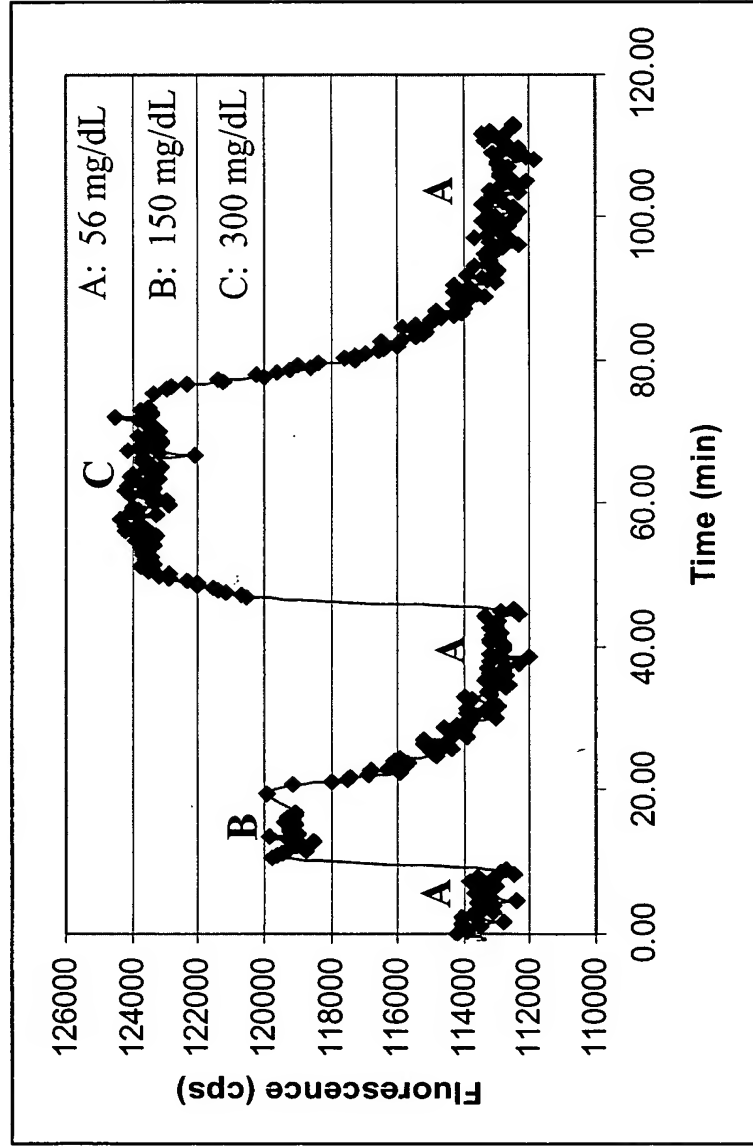


Figure 7

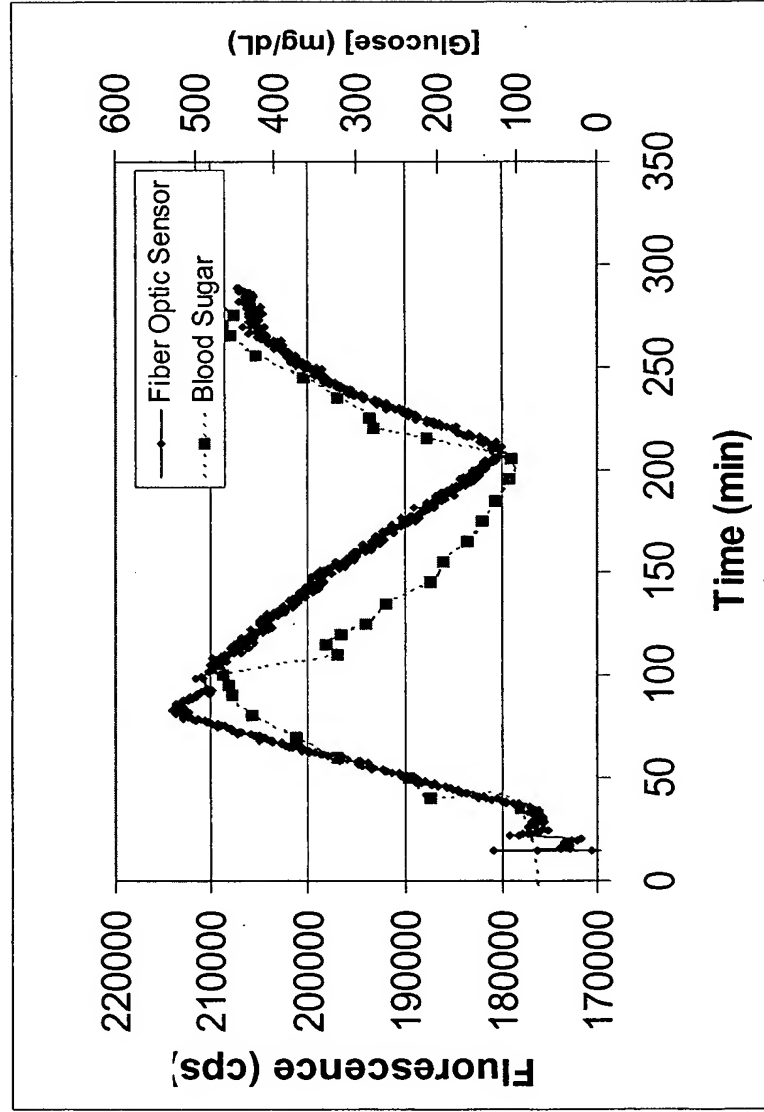


Figure 8

